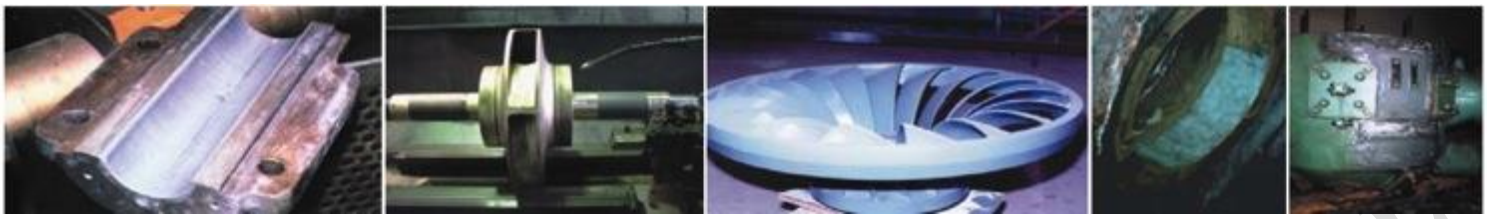

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UPS 804 ECPR Epoxy Concrete Patch Repair is a three-part solvent free epoxy repair mortar designed for use on cementations surfaces. The product offers good chemical and abrasion resistance and is ideal for quick repairs to damaged concrete substrates.

Product Applications

UPS 804 ECPR is suitable for emergency repairs to ramps, steps, warehouse floors, kerbs and sills. The product can be used as a fast curing, self-priming repair mortar on concrete floors prior to application of epoxy or polyurethane flooring systems.

Before proceeding, please read the following information carefully to ensure that the correct application procedure is fully understood.

Surface Preparation

The concrete surface must be free of all dust and loose materials.

Depending on the time available there are several ways the concrete surface can be prepared.

Emergency Repair – The surface of the concrete can be cleaned using handheld wire brush, the surface must be scarified and as much of the surface contamination cleaned from the surface. The repair area must then be swept clean using a brush.

Pease be aware that this type of preparation will affect the operating life of the cured product, to obtain the optimum performance form this materials please use one of the following methods;

Clean Concrete – Compressed air can be used to clean the surface and ensure all debris and contaminants have been cleaned form any hairline cracks or deep pitting. A vacuum must be used so the repair area is dust / debris free.

Coated Concrete – The surface of the concrete will need to be scarified to ensure the repair material bonds to the surface. The most common method of preparing the surface is to use a handheld mechanical grinder to clean the surface. Once the repair area has been scarified it must be vacuumed and be dust /debris free.

Contaminated Concrete – If the surface of the concrete has been contaminated with oil or industrial chemicals these must be cleaned form the repair surface. If the contamination is superficial the repair area can be cleaned using a handheld mechanical grinder and then vacuumed cleaned. For deeper ingrained contamination the use of enzymes on the surface of the repair to clean any oils / chemicals from the substrate is advised.

Mixing & Application

Do not apply when the ambient or substrate temperature is below 5°C (40°F)

The 5KG (11lb) pack of UPS 804 ECPR contains Base and Activator resins and Bag of Blended Aggregates.

Take the Base and Activator components and pour them into the 5LT (1 US Gallon) white pail provided. Mix the two components until streak free using the spatula provided.

Once the Base and Activator mix is streak free pour half the Blended Aggregate into the 5LT white pail.

For Emergency Repairs – Use the spatula to mix the aggregate and resin system together after 30 seconds pour the remaining aggregate into the 5LT white pail and finish mixing the product, if needed use gloved hands to mix the material.

An alternative method for mixing is to use an electric mixing paddle, by using this equipment you will mix the product faster and to a better consistency.

Once UPS 804 ECPR has been mixed thoroughly, pour the contents of the 5LT white pail into the repair area.

Using a trowel press the material into the concrete surface to ensure all pitting, cracks have been filled.

Tip for a Better Finish – Once the repair area has been filled with material spray clean water on to the face of the trowel and skim the surface of the repair. This will give UPS 804 ECPR a smooth finish.

Technical Data & Performance

Characteristics

Coverage Rates

A 5KG (11LB) Unit of UPS 804 ECPR will give a coverage rate of 0.6m^2 at 3mm WFT / 6.5ft^2 at 1/8".

Drying & Cure Times at 20°C (68°F)

Useable Life	20 minutes
Foot Traffic	1 hour
Hard Traffic	3 hours

Over Coating Times

Minimum	The applied material can be over coated as soon as it is touch dry
Maximum	The over coating time should not exceed 12 hours
Where the maximum over coating time is exceeded, the material should be allowed to harden before being abraded or flash blasted to remove surface contamination.	

Pack Sizes

This product is available in the following pack sizes;
5KG (11LB)

Shelf Life

5 years if unopened and store in normal dry conditions (15-30°C / 60-86°F)

Mechanical Properties

Compressive Strength ASTM D695	840kg/cm^2 12,000 psi
Flexural Strength ASTM D790	450kg/cm^2 6,500 psi
Direct Pull Adhesion ASTM D4060	35kg/cm^2 500 psi
Abrasion Resistance ASTM D4060	122mg weight loss per 1000 cycles 1kg load CS17 Wheel

Quality: All Unique Polymer Systems LTD Products are supplied under the scopes of the company's fully documented quality system.

Warranty: Unique Polymer Systems LTD warrants that the performance of the product supplied will confirm to the typical descriptions quoted within this Technical Data Sheet provided the material is stored correctly and used according to the procedures detailed in the Technical Data Sheet for the material.

Health & Safety: Please ensure good practice is observed at all times during the mixing and application of this product. Protective gloves must be worn during the mixing and application of this product. Before mixing and applying the material please ensure you have read the fully detailed Material Safety Data Sheet.

Legal Notice: The data contained within this Technical Data Sheet is furnished for information only and is believed to be reliable at the time of issue. We cannot assume responsibility for results obtained by others over whose methods we have no control. It is the responsibility of the customer to determine the products suitability for use. Unique Polymer Systems LTD accepts no liability arising out of the use of this information or the product described herein.
United Kingdom.